

# MEMORANDUM

**TO:** File 536

**FROM:** Ron Lehman, O&M Superintendent

**SUBJECT:** Platte River Ice Thickness Measurement Along Union Dike

**DATE:** January 27, 2010

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On January 27, 2010, the writer performed ice thickness measurements on the Platte River. The measurements were taken perpendicular to the river flow, near the Dike's 10 jetties project location, near Werner's Property south line, at approximately Station 160+00 (1.2 miles upstream of Highway 64).

A gas powered auger was used to drill the holes. The location of the holes on the table below were measured (stepped off) from the east bank of the Platte River. There was little snow cover on river ice.

Distance From East Bank (Feet)	Ice Thickness (Inches)	Depth From Top of Ice to River Bed (Inches)
36	14.0	48
136	17.5	75
286	16.5	59
436	17.0	34
586	15.0	49
786	16.0	39
936*	13.5	19

\*This hole is located about 75 feet from the west bank of the river.

The average ice thickness is **15.6 inches**.

Enclosure: Cross-section

CC: John Winkler, Marlin J. Petermann, Martin Cleveland, Amanda Grint,  
Emmett Egr, and Directors, P-MRNRD  
Sheila Hascall, NEMA  
Bill Jones, NDNR  
Jeff Reese, NWS  
Pam Graham, USACE

# MEMORANDUM

**TO:** File 536

**FROM:** Ron Lehman, O&M Superintendent

**SUBJECT:** Platte River Ice Thickness Measurement Along Western Sarpy Levee

**DATE:** January 27, 2010

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On January 27, 2010, the writer performed ice thickness measurements on the Platte River. The measurements were taken perpendicular to the river flow, in the Beacon View Area, approximately 0.25 mile upstream of Highway 6.

A gas powered auger was used to drill the holes. The location of the hole on the table below was measured (stepped off) from the east bank of the Platte River. There was little snow cover on river ice.

Distance From East Bank (Feet)	Ice Thickness (Inches)	Depth From Top of Ice to River Bed (Inches)
36*	14	53

\*This hole is located about 1050 feet from the west bank (Saunders County Side) of the river. There is a layer of soft ice (it was ponded water last week) on top of mature ice beyond this location, so no additional borings were attempted.

The average ice thickness is **14.0 inches**.

Enclosure: Cross-section

CC: John Winkler, Marlin J. Petermann, Martin Cleveland, Amanda Grint,  
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